Double Axle.

REVISIONS			
LTR	DESCRIPTION	DATA	APPROVED

310

320

RAM2 43256-85

ROM6 C84-89 4M MASK

RAM2 43256-85

ROM7 C84-90 4M MASK

ROM5 C84-88 4M MASK

ROM4 C84-19 27512-200

XTAL OSC 26.686MHz

RAM4 TMM2088P-35

IC20 TC0260DAR

IC23 TC0480SCP

RAM3 TC5563APL-80

IC21 TC0370MSO

IC19 TC0300FLA

RAM1 43256-100

ROM8 C84-91 8M MASK

ROM10 C84-93 8M MASK

ROM9 C84-92 8M MASK

ROM11 C84-94 8M MASK

IC22 TC0380DSH

IC16 TC0270MOD

10 PIN CUT

TAITO K11X0675A J11K0256A VIDEO PCB TAITO CORPORATION MADE IN JAPAN

LCB

E

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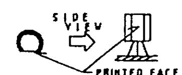
SEE NOTE 5

CATHODE MARK
ELEC. BLOCK
TANT. DIP
CAP. CERAMIC

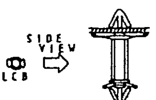
NOTE 1. SYMBOL MARK

SIDE VIEW

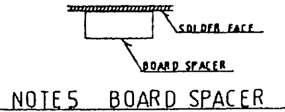
NOTE 2. BEADS FILTER



NOTE 3. TRANSISTOR



NOTE 4. LOCKING SUPPOT



NOTE 5 BOARD SPACER

★ ⇨ FLAT PACKAGE

▨ ⇨ NO MOUNT

TAITO CORPORATION	
NAME	VIDEO P.C BOARD ASSY
SIZE A2	RACING BEAT
DWG. NO.	K11X0675A
RELEASE DATA	'91. 5. 10.

REVISIONS

LTR	DESCRIPTION	DATA	APPROVED

ITEM NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		QTY REQD
84					
83					
82					
81					
80					
79	ST	G16X0789A	P.C. BOARD STICKER	(K11X0675A)	1
78					
77	E.F	L5000071A	FRC HARNESS ASSY 60P		2
76					
75		F9002355A	BOARD SPACER		1
74	LCB	F9000128A	LOCKING SUPPORT	LCB-10	4
73					
72	L	C1101201A	BEADS FILTER	ZBF503S-01TA	10
71					
70	IS6	C0550094A	I.C. SOCKET	42P	4
69	IS5	C0550090A	↑	40P	3
68	IS4	C0550080A		28P	1
67	IS3	C0550052A		20P	1
66	IS2	C0550040A	↓	18P	2
65	IS1	C0550033A	I.C. SOCKET	16P	1
64					
63	V	C0500118A	H-CONNECTOR	BS05P-SHF-1	1
62	H	C0500034A	POST HEADER (SIDE)	5272-12	1
61					
60	ROM11	B2005512A	ROM C84-94	8M MASK	1
59	ROM10	B2005511A	ROM C84-93	8M MASK	1
58	ROM9	B2005510A	ROM C84-92	8M MASK	1
57	ROM8	B2005509A	ROM C84-91	8M MASK	1
56	ROM7	B2005508A	ROM C84-90	4M MASK	1
55	ROM6	B2005507A	ROM C84-89	4M MASK	1
54	ROM5	B2005506A	ROM C84-88	4M MASK	1
53	ROM4	B2005343A	ROM C84-19	27512-200	1
52	ROM3	B2005335A	ROM C84-11	63S441	1
51	ROM2	B2005334A	ROM C84-10	63S441	1
50	ROM1	B2005333A	ROM C84-09	63S141	1
49	PAL1	B2005332A	PAL C84-08	16L8B	1
48					
47	IC23	B16Z0076A	COSTOM I.C.	TC0480SCP	1
46	IC22	B16Z0061A	↑	TC0380BSH	1
45	IC21	B16Z0060A		TC0370MSO	1
44	IC20	B16Z0053A		TC0260DAR	1
43	IC19	B16Z0046A	↓	TC0300FLA	1
42	IC18	B16Z0043A	COSTOM I.C.	TC0270MOD	1
41					
40	RAM4	B10X0034A	S-RAM	TMM2088P-35	1
39	RAM3	B10X0030C	↑	TC5563APL-80	2
38	RAM2	B10X0029D	↓	43256-85	2
37	RAM1	B10X0029B	S-RAM	43256-100	16
36					
35	IC17	B05X2374A	F I.C.	74F374	2
34	IC16	B05X2244A	F I.C.	74F244	1
33	IC15	B05X2174A	F I.C.	74F174	1
32	IC14	B05X2086A	↑	74F86	1
31	IC13	B05X2074A		74F74	1
30	IC12	B05X2032A	↓	74F32	1
29	IC11	B05X2004A	F I.C.	74F04	1
28					
27	IC10	B01X0377A	LS I.C.	74LS377	6
26	IC9	B01X0374A	↑	74LS374	2
25	IC8	B01X0273A		74LS273	1
24	IC7	B01X0260A		74LS260	1
23	IC6	B01X0245A		74LS245	2
22	IC5	B01X0244A		74LS244	5
21	IC4	B01X0174A		74LS174	1
20	IC3	B01X0157A		74LS157	4
19	IC2	B01X0153A	↓	74LS153	6
18	IC1	B01X0074A	LS I.C.	74LS74	2
17					
16	XTAL	A9000171A	X-TAL OSC	26.686 MHz	1
15					
14	R4	A2004065A	RES CARBON	1K OHM 1/6W ± 5%	1
13	R3	A2004057A	↑	470 OHM ↑	4
12	R2	A2004041A	↓	100 OHM ↓	1
11	R1	A2004029A	RES CARBON	33 OHM 1/6W ± 5%	3
10					
9	C4	A1200253A	CAP CERAMIC	50V 220p	4
8	C3	A1200249A	CAP CERAMIC	50V 150p	1
7	C2	A1200123A	CAP CERAMIC	25V 100000p	99
6					
5	C1	A1000135A	CAP ELEC BLOCK	16V 220μF	6
4					
3	TR	A0100099A	TRANSISTOR	2SC1815-Y	3
2					
1		J11K0256A	VIDEO P.C. BOARD	310X320	1

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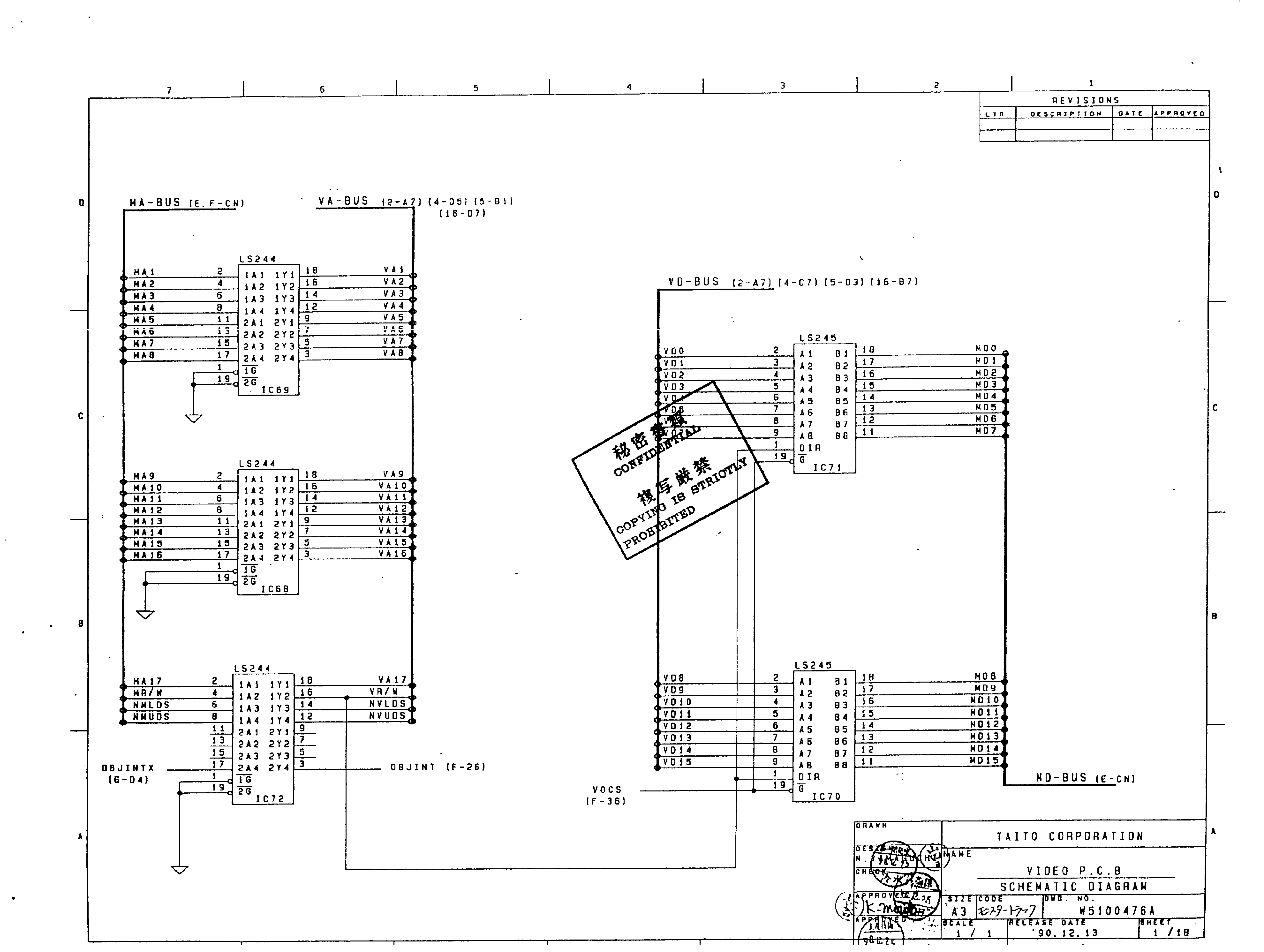
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DESIGN 91.5.10
CHECK 91.5.16
APPROVED 91.5.20
APPROVED

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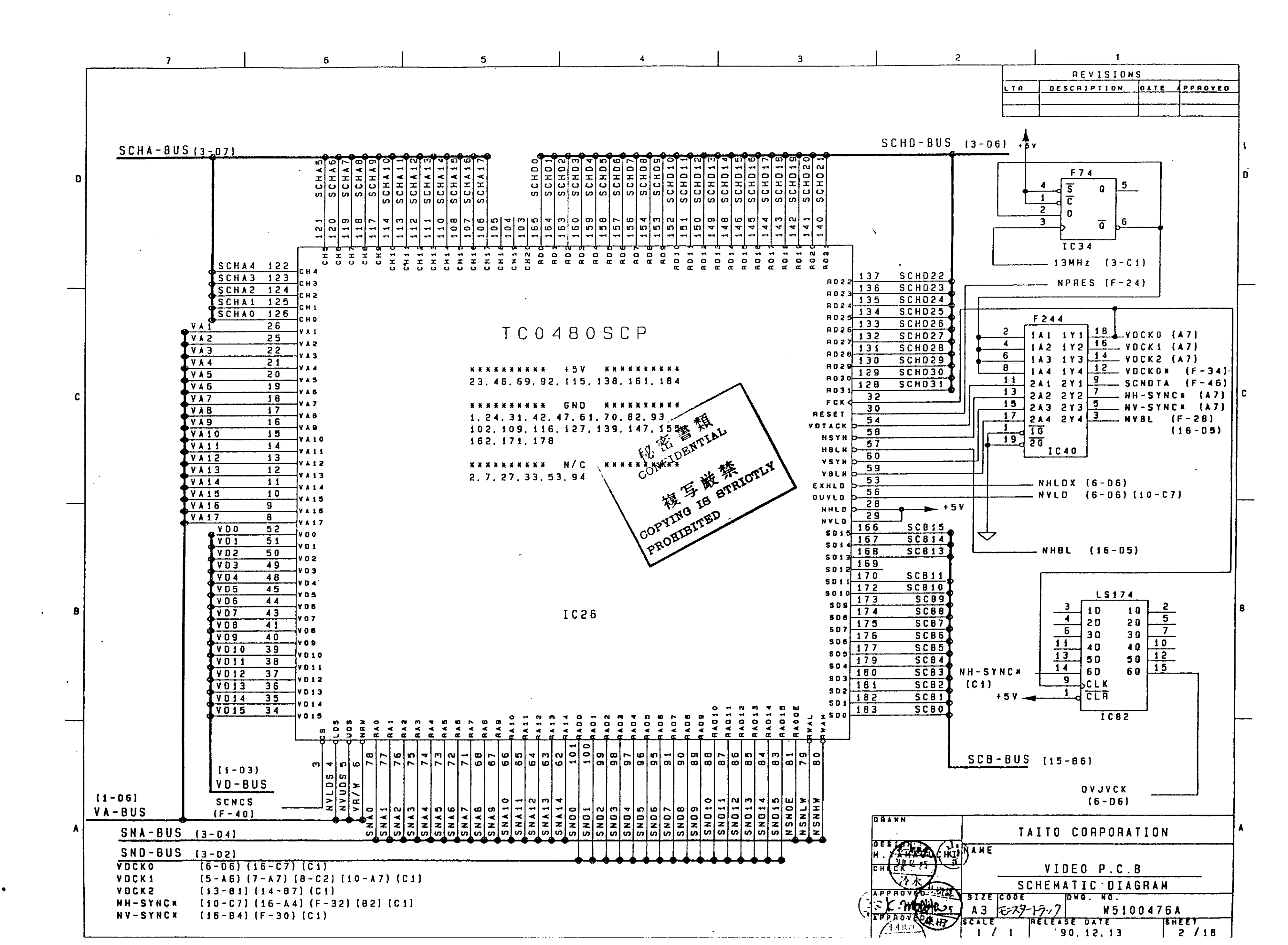
NAME VIDEO P C BOARD ASSY

SIZE	CODE IDENT NO.	DWG. NO.
A3	RACING BEAT	K11X0675A

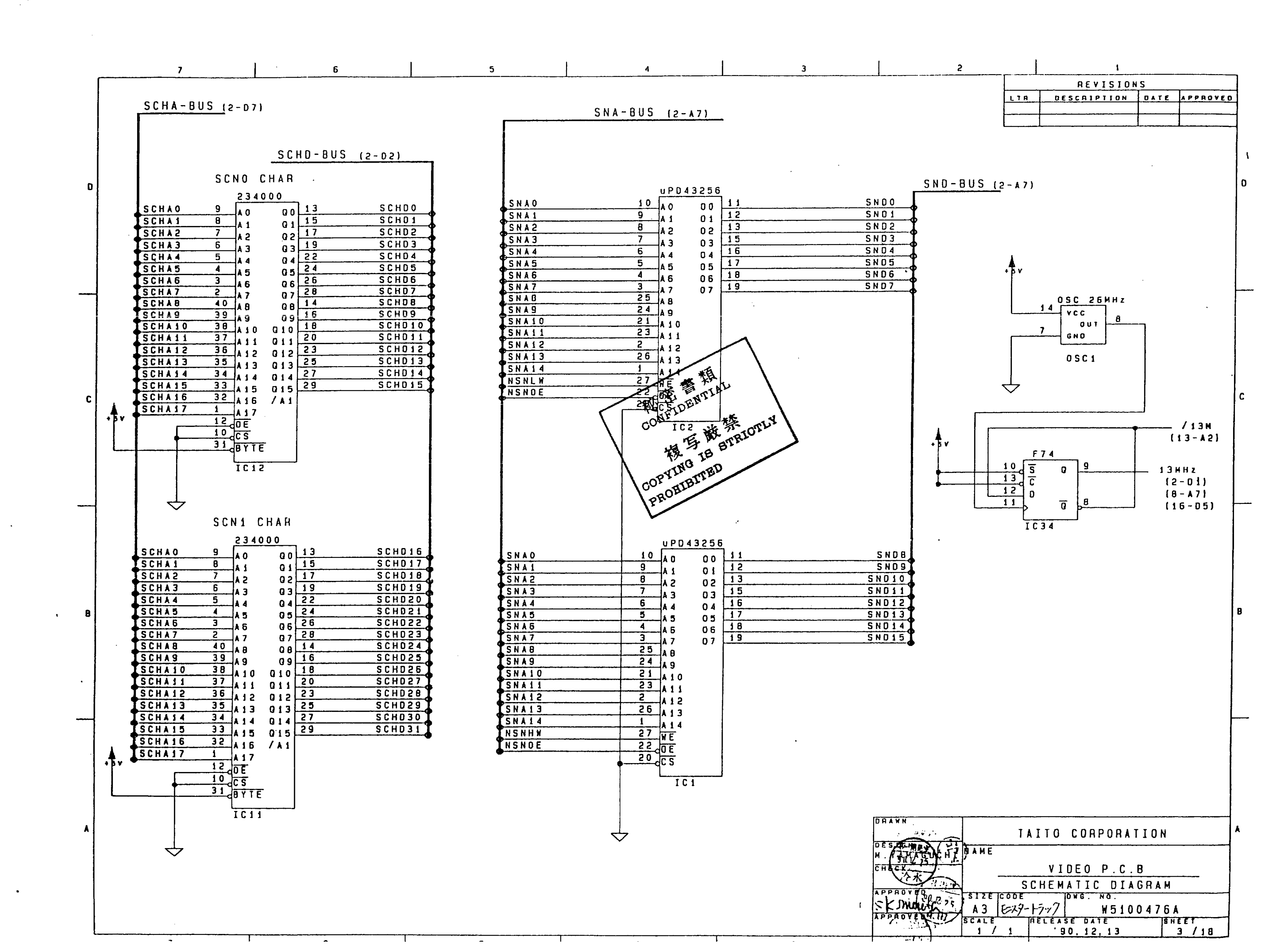
SCALE	RELEASE DATA	SHEET
	'91. 5. 10.	2/23

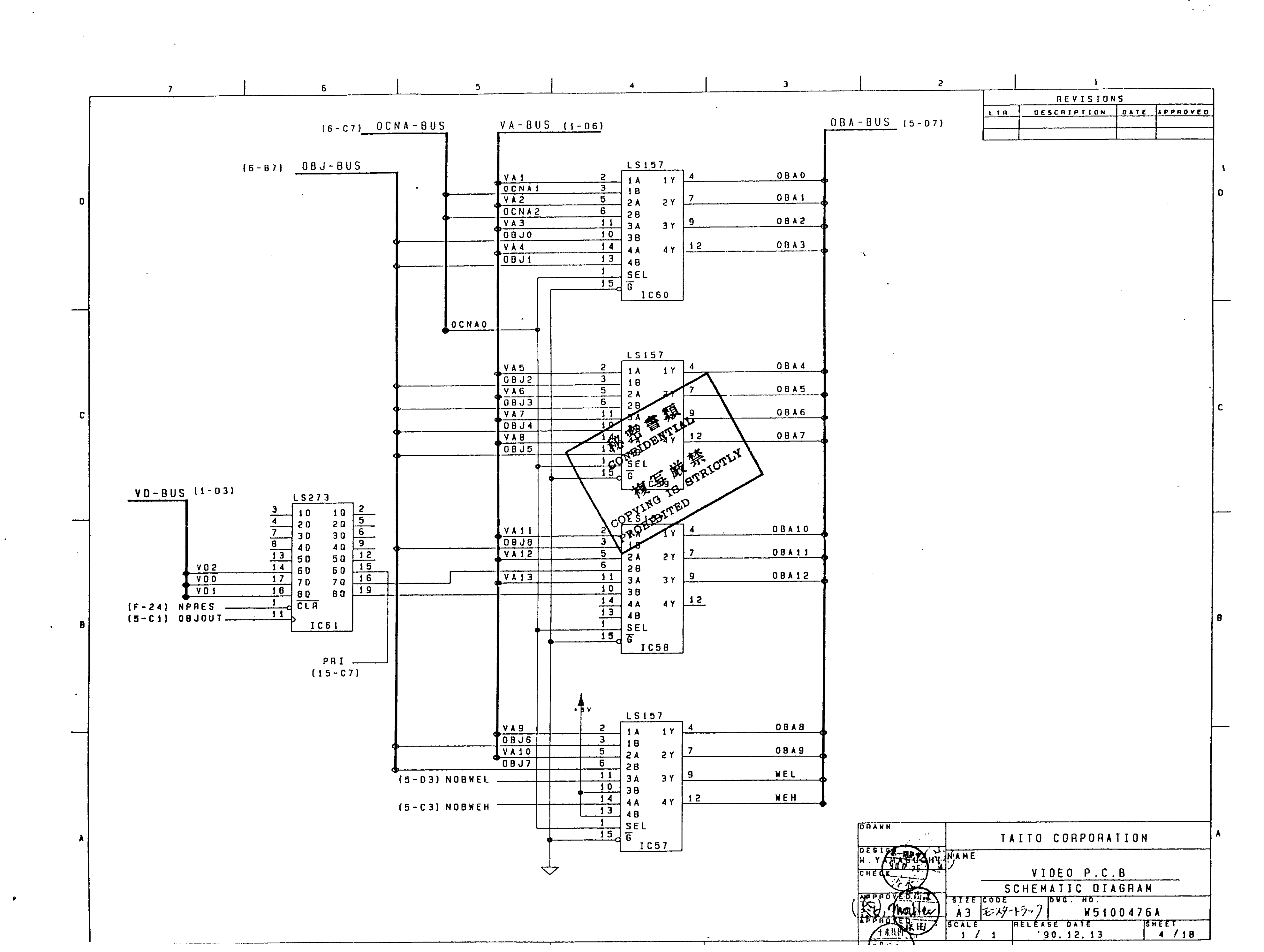


REVISIONS
LTR DESCRIPTION DATE APPROVED
MA-BUS (E.F-CN)
VA-BUS (2-A7) (4-D5) (5-B1) (16-D7)
LS244
MA1 MA2 MA3 MA4 MA5 MA6 MA7 MA8
1A1 1Y1 1A2 1Y2 1A3 1Y3 1A4 1Y4 2A1 2Y1 2A2 2Y2 2A3 2Y3 2A4 2Y4
1G 2G
IC69
VA1 VA2 VA3 VA4 VA5 VA6 VA7 VA8
LS244
MA9 MA10 MA11 MA12 MA13 MA14 MA15 MA16
IC68
VA9 VA10 VA11 VA12 VA13 VA14 VA15 VA16
LS244
MA17 MR/W NMLDS NMUDS
IC72
VA17 VR/W NVLDS NVUDS
OBJINTX (6-D4)
OBJINT (F-26)
VD-BUS (2-A7) (4-C7) (5-D3) (16-B7)
LS245
VD0 VD1 VD2 VD3 VD4 VD5 VD6 VD7
A1 B1 A2 B2 A3 B3 A4 B4 A5 B5 A6 B6 A7 B7 A8 B8
DIR G
IC71
MD0 MD1 MD2 MD3 MD4 MD5 MD6 MD7
LS245
VD8 VD9 VD10 VD11 VD12 VD13 VD14 VD15
IC70
MD8 MD9 MD10 MD11 MD12 MD13 MD14 MD15
MD-BUS (E-CN)
VOCS (F-36)
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DESIGNED M. YAMAGUCHI
CHECKED
APPROVED
TAITO CORPORATION
NAME
VIDEO P.C.B
SCHEMATIC DIAGRAM
SIZE A3
CODE モンスタートラップ
DWG. NO. W5100476A
SCALE 1 / 1
RELEASE DATE '90. 12. 13
SHEET 1 / 18

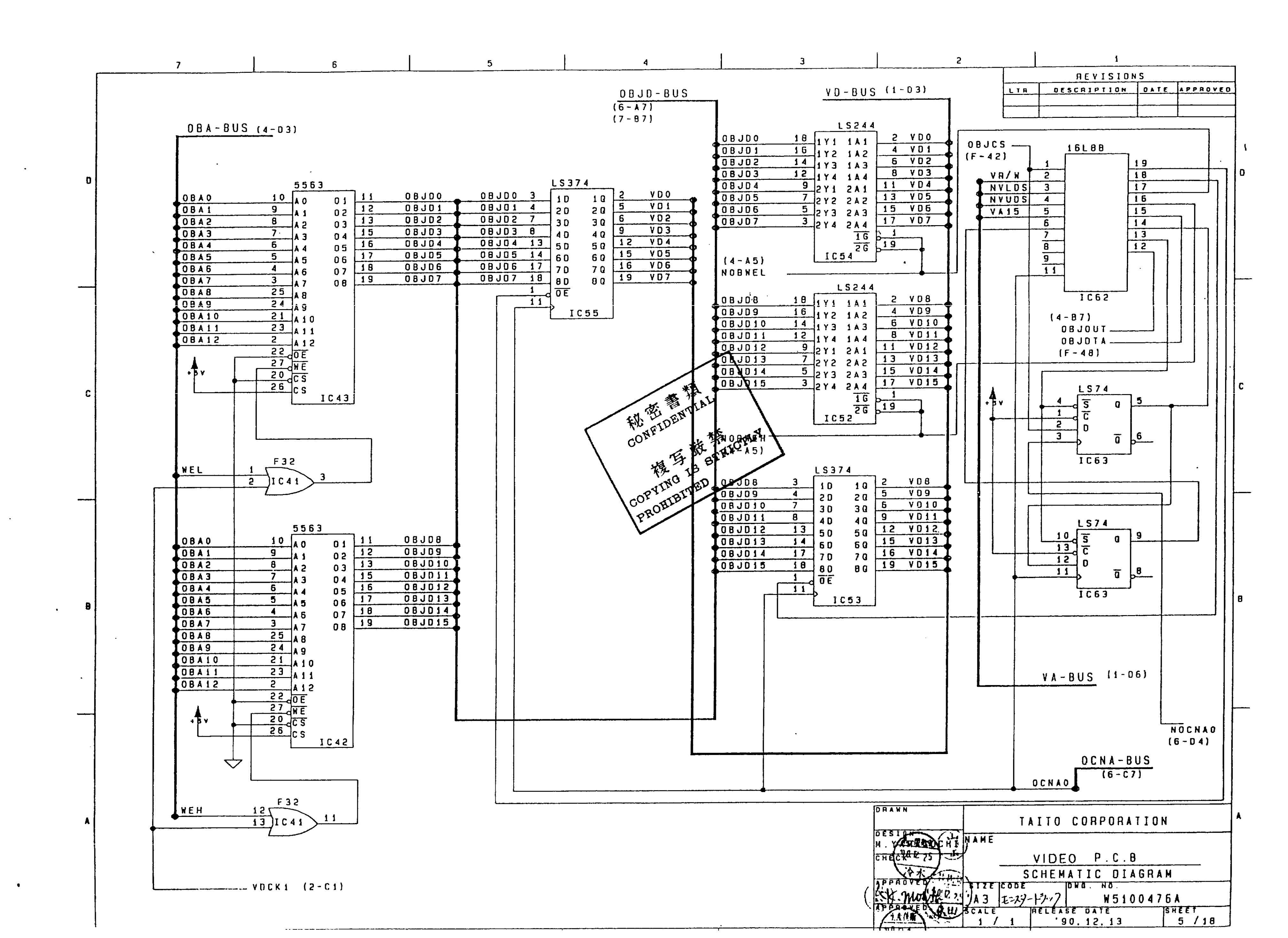


REVISIONS
LTR
DESCRIPTION
DATE
APPROVED
SCHA-BUS (3-D7)
SCHD-BUS (3-D6)
+5V
F74
IC34
13MHz (3-C1)
NPRES (F-24)
F244
VDCK0 (A7)
VDCK1 (A7)
VDCK2 (A7)
VDCK0* (F-34)
SCNDTA (F-46)
NH-SYNC* (A7)
NV-SYNC* (A7)
NVBL (F-28) (16-D5)
IC40
TC0480SCP
********** +5V **********
23, 46, 69, 92, 115, 138, 161, 184
********** GND **********
1, 24, 31, 42, 47, 61, 70, 82, 93
102, 109, 116, 127, 139, 147, 155
162, 171, 178
********** N/C **********
2, 7, 27, 33, 53, 94
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IC26
NHLDX (6-D6)
NVLD (6-D6) (10-C7)
NHBL (16-D5)
LS174
IC82
NH-SYNC* (C1)
SCB-BUS (15-B6)
OVJVCK (6-D6)
(1-D3)
VD-BUS
SCNCS (F-40)
(1-D6)
VA-BUS
SNA-BUS (3-D4)
SND-BUS (3-D2)
VDCK0 (6-D6) (16-C7) (C1)
VDCK1 (5-A6) (7-A7) (8-C2) (10-A7) (C1)
VDCK2 (13-B1) (14-B7) (C1)
NH-SYNC* (10-C7) (16-A4) (F-32) (B2) (C1)
NV-SYNC* (16-B4) (F-30) (C1)
DRAWN
DESIGN
M. YAMAMOTO
CHECK
APPROVED
TAITO CORPORATION
NAME
VIDEO P.C.B
SCHEMATIC DIAGRAM
SIZE A3
CODE モンスタートラック
DWG. NO. W5100476A
SCALE 1 / 1
RELEASE DATE '90. 12. 13
SHEET 2 / 18


REVISIONS
LTR
DESCRIPTION
DATE
APPROVED
SCHA-BUS (2-D7)
SCHD-BUS (2-D2)
SCN0 CHAR
234000
IC12
SCN1 CHAR
234000
IC11
SNA-BUS (2-A7)
SND-BUS (2-A7)
uPD43256
IC2
uPD43256
IC1
SCHA0
SCHA1
SCHA2
SCHA3
SCHA4
SCHA5
SCHA6
SCHA7
SCHA8
SCHA9
SCHA10
SCHA11
SCHA12
SCHA13
SCHA14
SCHA15
SCHA16
SCHA17
SCHD0
SCHD1
SCHD2
SCHD3
SCHD4
SCHD5
SCHD6
SCHD7
SCHD8
SCHD9
SCHD10
SCHD11
SCHD12
SCHD13
SCHD14
SCHD15
SCHD16
SCHD17
SCHD18
SCHD19
SCHD20
SCHD21
SCHD22
SCHD23
SCHD24
SCHD25
SCHD26
SCHD27
SCHD28
SCHD29
SCHD30
SCHD31
OE
CS
BYTE
/A1
+5V
SNA0
SNA1
SNA2
SNA3
SNA4
SNA5
SNA6
SNA7
SNA8
SNA9
SNA10
SNA11
SNA12
SNA13
SNA14
NSNLW
NSNHW
NSNOE
WE
SND0
SND1
SND2
SND3
SND4
SND5
SND6
SND7
SND8
SND9
SND10
SND11
SND12
SND13
SND14
SND15
OSC 26MHz
VCC
OUT
GND
OSC1
F74
IC34
/13M
(13-A2)
13MHz
(2-D1)
(8-A7)
(16-D5)
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NAME
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SIZE
A3
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DWG. NO.
W5100476A
SCALE
1 / 1
RELEASE DATE
'90.12.13
SHEET
3 / 18



REVISIONS
LTR
DESCRIPTION
DATE
APPROVED
(6-C7) OCNA-BUS
VA-BUS (1-06)
OBA-BUS (5-D7)
(6-B7) OBJ-BUS
LS157
IC60
OCNA0
LS157
LS157
IC58
LS157
IC57
VD-BUS (1-03)
LS273
IC61
(F-24) NPRES
(5-C1) OBJOUT
PRI
(15-C7)
(5-D3) NOBWEL
(5-C3) NOBWEH
WEL
WEH
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VIDEO P.C.B
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DESIGN
H. YAMAGUCHI
CHECK
APPROVED
NAME
SIZE
A3
CODE
モンスタートラック
DWG. NO.
W5100476A
SCALE
1 / 1
RELEASE DATE
'90. 12. 13
SHEET
4 / 18



OBA-BUS (4-D3)
OBJD-BUS (6-A7) (7-B7)
VD-BUS (1-D3)
REVISIONS
LTR DESCRIPTION DATE APPROVED
5563
IC43
IC42
LS374
IC55
IC53
LS244
IC54
IC52
16L8B
IC62
LS74
IC63
F32
IC41
WEL
WEH
OBJCS (F-42)
VA/W
NVLDS
NVUDS
VA15
(4-A5) NOBWEL
(4-B7) OBJOUT OBJDTA (F-48)
VA-BUS (1-D6)
NOCNA0 (6-D4)
OCNA-BUS (6-C7)
OCNA0
VDCK1 (2-C1)
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TAITO CORPORATION
NAME
VIDEO P.C.B
SCHEMATIC DIAGRAM
SIZE A3
DWG. NO. W5100476A
SCALE 1 / 1
RELEASE DATE '90.12.13
SHEET 5 /18

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED

TC0370MSO

136pinFLAT

+5V
16, 50, 84, 118

GND
17, 51, 85, 119

IC35

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Top pins

Pin	Signal	Net
7	VINV	VZ7
10	LD32	LD32 (7-C5)
11	LD64	LD64 (7-C5)
12	NHLDX	NHLDX (2-C1)
14	NPOR	
15	NVLDX	NVLD (2-C1)
18	VDCK	VDCKO (2-C1)
19	NH-SYNCX	OBJVCK (2-A1)
8	T	
110	DISP	DISP (8-A7) (13-A3)
111	DISPCL	DISPCL (13-B2) (14-B7)
112	DISPXXX	DISPXXX (14-B7)
113	OBJCNOFF	OBJCNOFF (10-B7) (8-A7)
114	NSTHLD	NSTHLD (8-A7)
115	NHALFFLA	NHALFFLA (13-B2)
116	NLFCNX	NLFCN (10-C7) (13-B2) (14-B7)
117	NLSTX	NLST (8-A7)
120	DISPCLX	DISPCLX (10-C7)
121	VLA	VLA (8-A7)
122	NHDPLD	NHDPLD (10-C7)
123	NFPLD	NFPLD (10-D7)
124	NHDISPX	NHDISPX (13-B2) (14-C7)
125	NFRWST	NFRWST (13-B2)
126	FRAMOE	FRAMOE
127	FRAM14	FRAV14
128	FRAMCS	FRAMCS
129	OBJINT	OBJINTX (1-A7)
13	SEL	
130	NOCNAO	NOCNAO (5-A1) (7-A3)
131	FPLDXX	FPLDXX (10-B7)
9	W	
107	HINVX	HINVX (7-C7)

FRA-BUS (11-A7) (12-A7)

+5V

F04 IC4: 11 → 10 NOBJCNOFF (10-B7)

Left pins

Bus	Net	Pin	Signal
VZ-BUS (7-C7) (4-D6) (5-A1)	VZ0	132	VZ0
	VZ1	133	VZ1
	VZ2	134	VZ2
	VZ3	3	VZ3
	VZ4	4	VZ4
	VZ5	5	VZ5
	VZ6	6	VZ6
OCNA-BUS	OCNA0	74	OCNA0
	OCNA1	75	OCNA1
	OCNA2	76	OCNA2
OBJ-BUS (4-D6)	OBJ0	52	OBJ0
	OBJ1	53	OBJ1
	OBJ2	54	OBJ2
	OBJ3	55	OBJ3
	OBJ4	56	OBJ4
	OBJ5	57	OBJ5
	OBJ6	58	OBJ6
	OBJ7	59	OBJ7
	OBJ8	60	OBJ8
OBJD-BUS (5-D4)	OBJD0	20	OBD0
	OBJD1	21	OBD1
	OBJD2	22	OBD2
	OBJD3	23	OBD3
	OBJD4	24	OBD4
	OBJD5	25	OBD5
	OBJD6	26	OBD6

Right pins

Signal	Pin	Net	Bus
VC0	46	VC0	VC-BUS (7-D6)
VC1	45	VC1	
VC2	44	VC2	
VC3	43	VC3	
VC4	42	VC4	
VC5	41	VC5	
S1	109	S1	S-BUS (13-A3)
S0	108	S0	
CM8	106	CM8 (13-B2)	
CM7	105	CM7	CM-BUS (14-C7)
CM6	104	CM6	
CM5	100	CM5	
CM4	99	CM4	
CM3	98	CM3	
CM2	97	CM2	
CM1	96	CM1	
CM0	95	CM0	
VPOS8	73		
VPOS4	72	VPOS4	VPOS-BUS (10-A6)
VPOS5	67	VPOS5	
VPOS6	66	VPOS6	
VPOS7	65	VPOS7	
VPOS0	64	VPOS0	
VPOS1	63	VPOS1	
VPOS2	62	VPOS2	
VPOS3	61	VPOS3	
HPOS8	94	HPOS8	HPOS-BUS (10-A4)
HPOS7	93	HPOS7	

Bottom pins

Signal	Pin	Net	Bus
OBD7	27	OBJD7	OBJD-BUS (5-D4)
OBD8	28	OBJD8	
OBD9	29	OBJD9	
OBD10	30	OBJD10	
OBD11	31	OBJD11	
OBD12	37	OBJD12	
OBD13	38	OBJD13	
OBD14	39	OBJD14	
OBD15	40	OBJD15	
SC0	47	SC0	SC-BUS (7-B7) (8-D6)
SC1	48	SC1	
SC2	49	SC2	
HZ0XX	77	HZ0	HZ-BUS (8-D7)
HZ1XX	78	HZ1	
HZ2XX	79	HZ2	
HZ3XX	80	HZ3	
HZ4XX	81	HZ4	
HZ5XX	82	HZ5	
HZ6XX	83	HZ6	
HPOS0	86	HPOS0	HPOS-BUS (10-A4)
HPOS1	87	HPOS1	
HPOS2	88	HPOS2	
HPOS3	89	HPOS3	
HPOS4	90	HPOS4	
HPOS5	91	HPOS5	
HPOS6	92	HPOS6	

Title block

TAITO CORPORATION

DRAWN

DESIGN M.Y

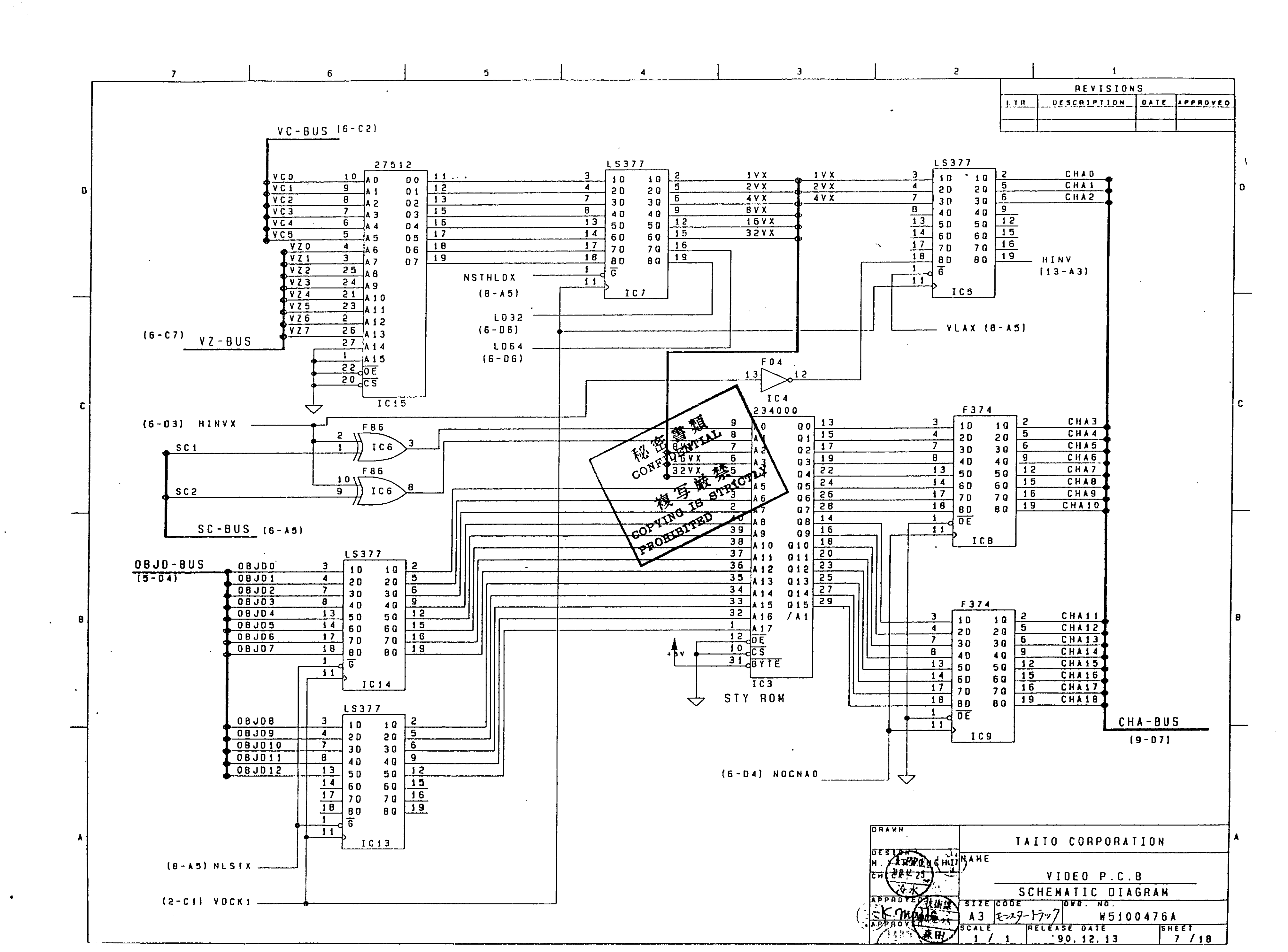
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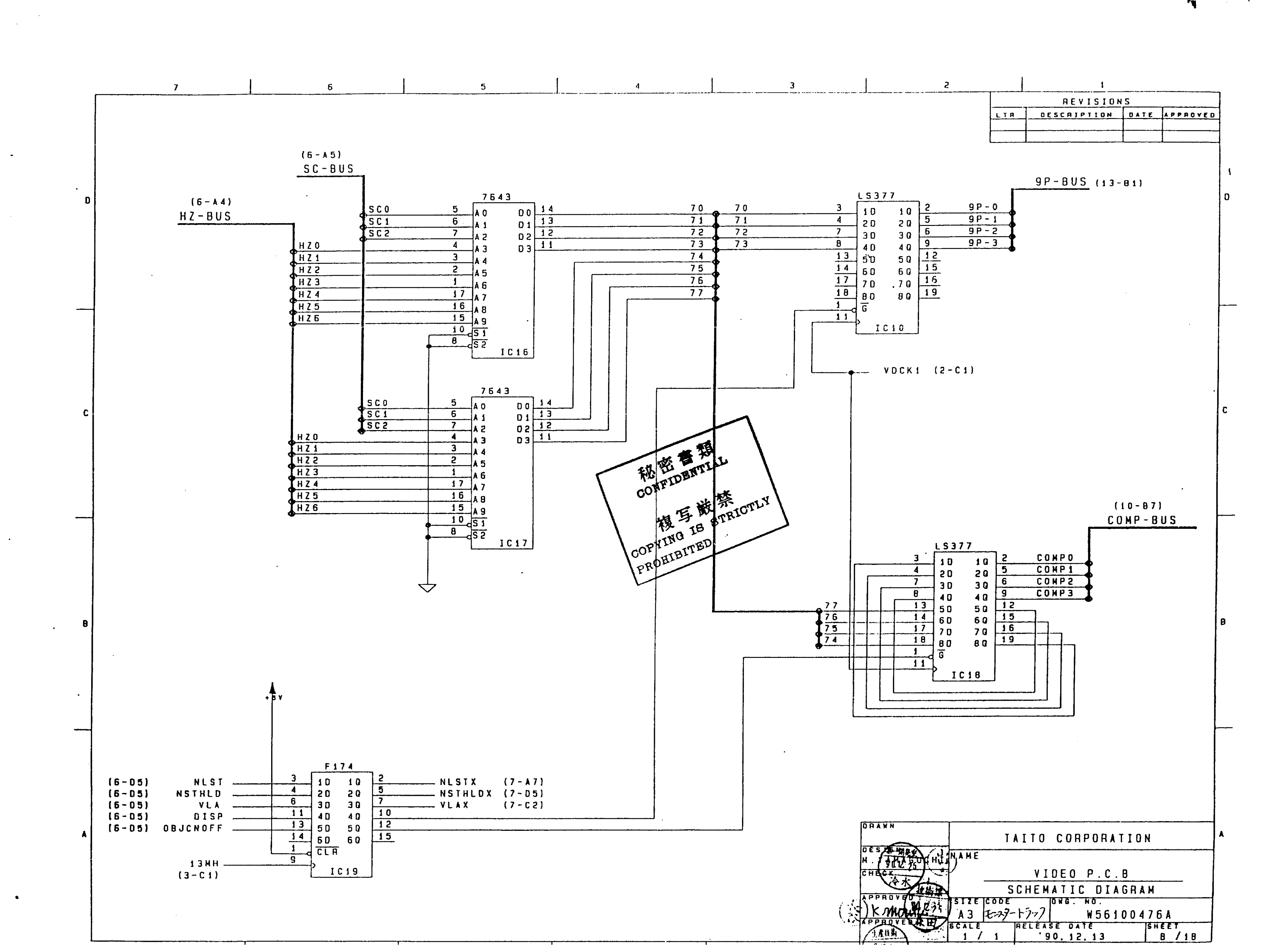
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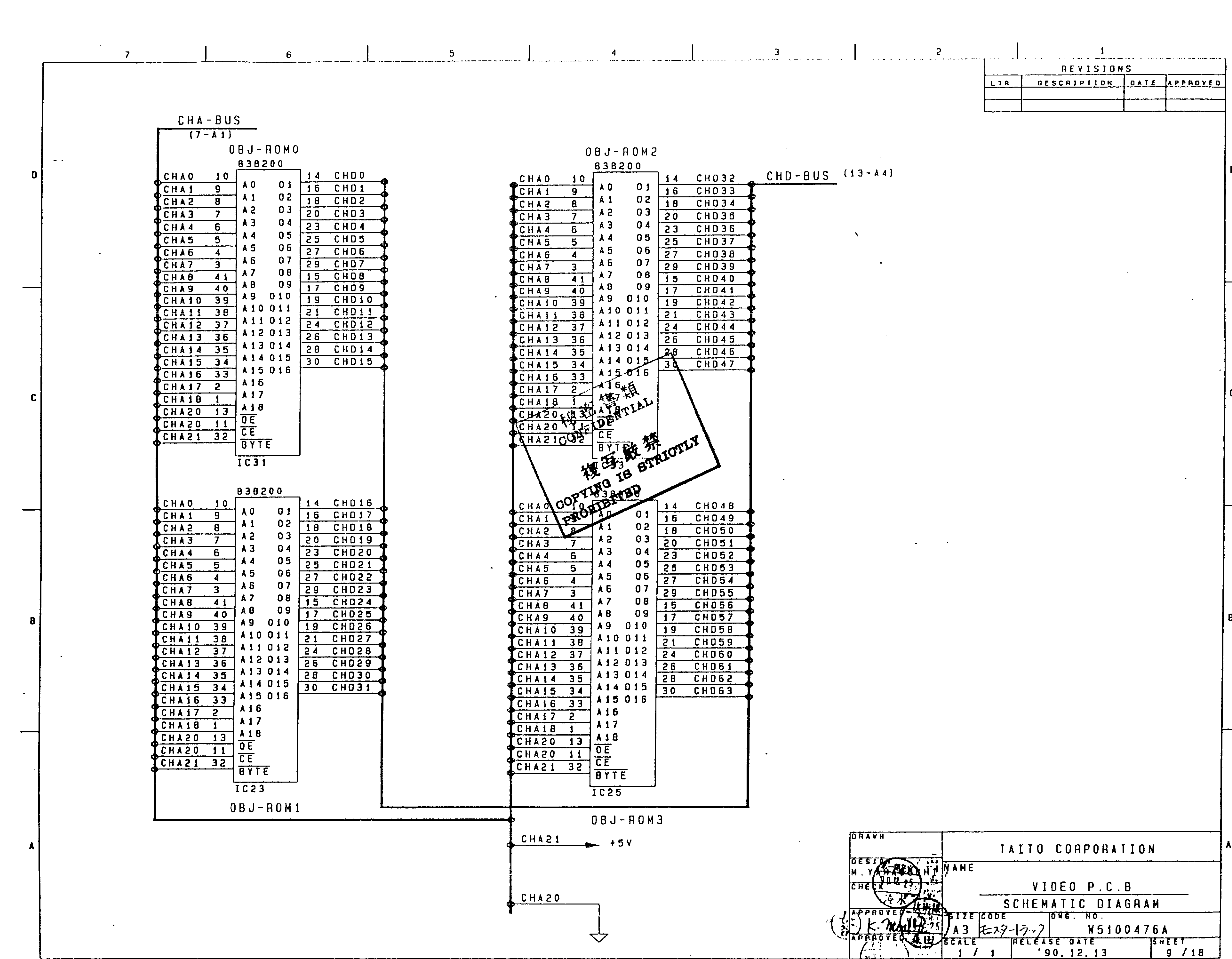
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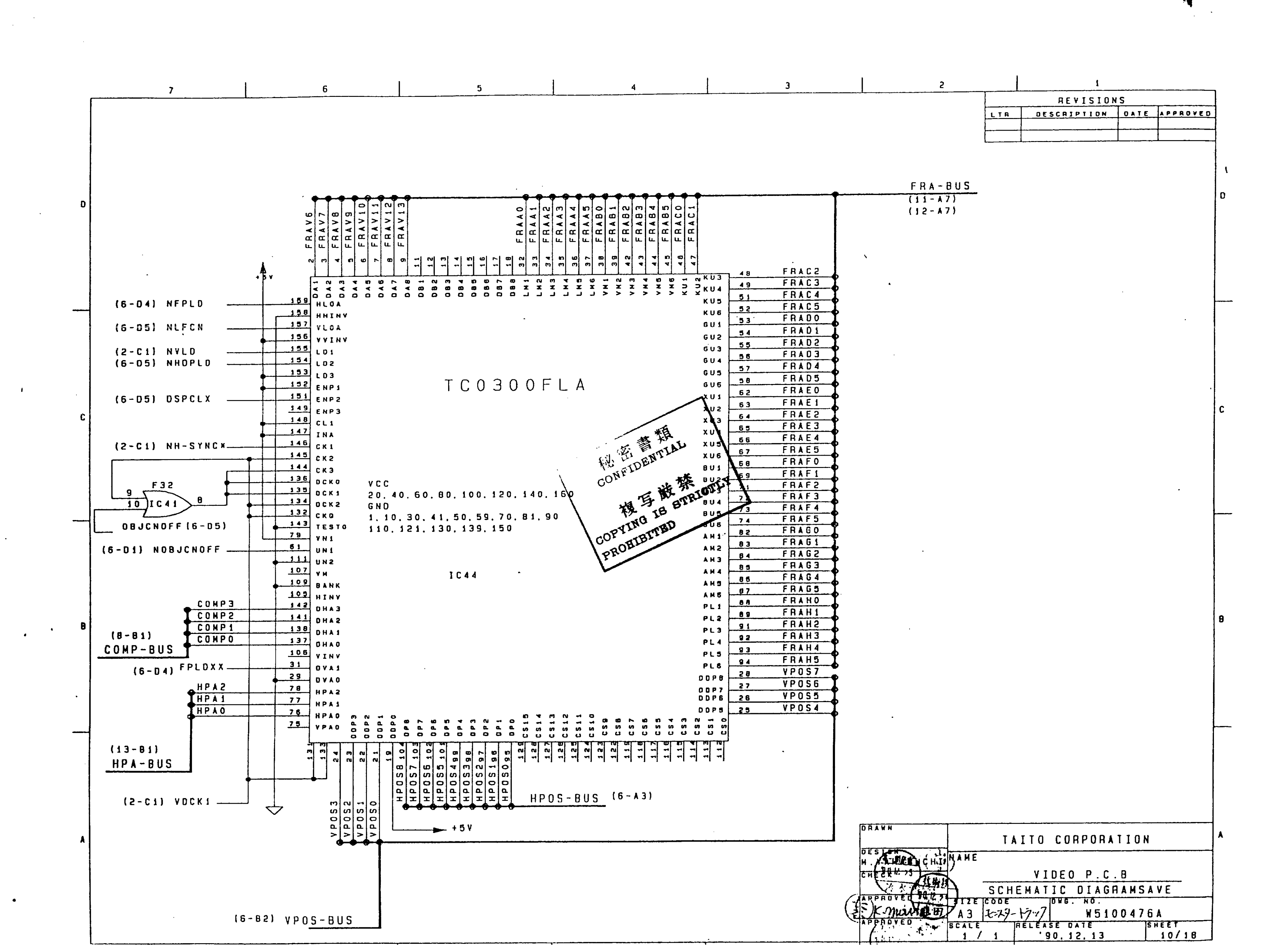
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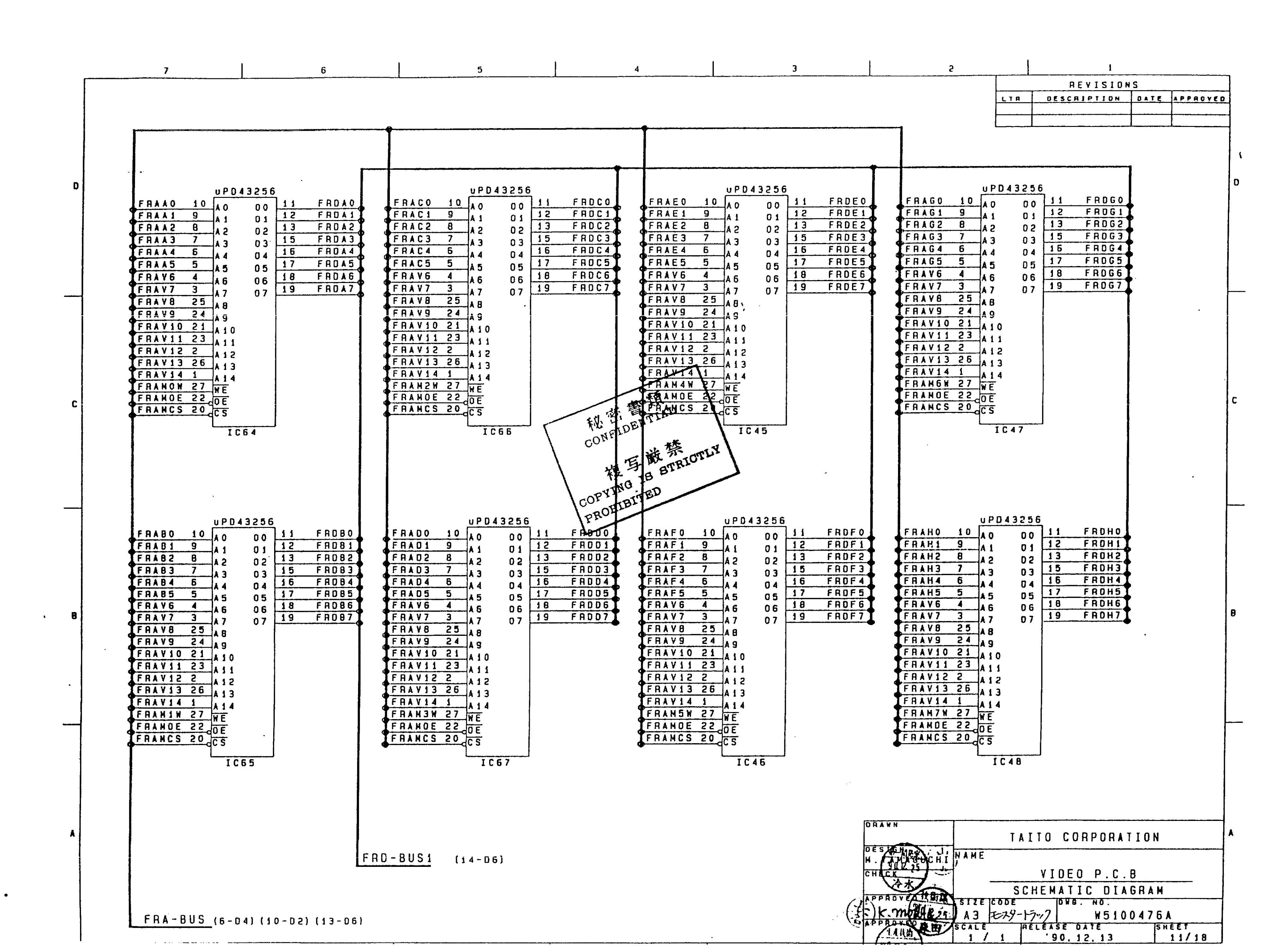
REVISIONS
LTR
DESCRIPTION
DATE
APPROVED
VC-BUS (6-C2)
VC0
VC1
VC2
VC3
VC4
VC5
VZ0
VZ1
VZ2
VZ3
VZ4
VZ5
VZ6
VZ7
(6-C7) VZ-BUS
27512
IC15
LS377
IC7
NSTHLDX
(8-A5)
LD32
(6-D6)
LD64
(6-D6)
1VX
2VX
4VX
8VX
16VX
32VX
LS377
IC5
CHA0
CHA1
CHA2
HINV
(13-A3)
VLAX (8-A5)
F04
IC4
(6-D3) HINVX
F86
IC6
SC1
SC2
SC-BUS (6-A5)
234000
IC3
STY ROM
+5V
F374
IC8
CHA3
CHA4
CHA5
CHA6
CHA7
CHA8
CHA9
CHA10
F374
IC9
CHA11
CHA12
CHA13
CHA14
CHA15
CHA16
CHA17
CHA18
CHA-BUS
(9-D7)
OBJD-BUS
(5-D4)
OBJD0
OBJD1
OBJD2
OBJD3
OBJD4
OBJD5
OBJD6
OBJD7
LS377
IC14
OBJD8
OBJD9
OBJD10
OBJD11
OBJD12
LS377
IC13
(6-D4) NOCNA0
(8-A5) NLSTX
(2-C1) VDCK1
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SCHEMATIC DIAGRAM
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A3
CODE
モンスタートラック
DWG. NO.
W5100476A
SCALE
1 / 1
RELEASE DATE
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SHEET
7 / 18


(6-A5)
SC-BUS
(6-A4)
HZ-BUS
7643
IC16
IC17
LS377
IC10
IC18
9P-BUS (13-B1)
VDCK1 (2-C1)
(10-B7)
COMP-BUS
秘密書類
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F174
IC19
(6-D5) NLST
(6-D5) NSTHLD
(6-D5) VLA
(6-D5) DISP
(6-D5) OBJCNOFF
NLSTX (7-A7)
NSTHLDX (7-D5)
VLAX (7-C2)
13MH
(3-C1)
+5V
REVISIONS
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DESCRIPTION
DATE
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NAME
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8 /18

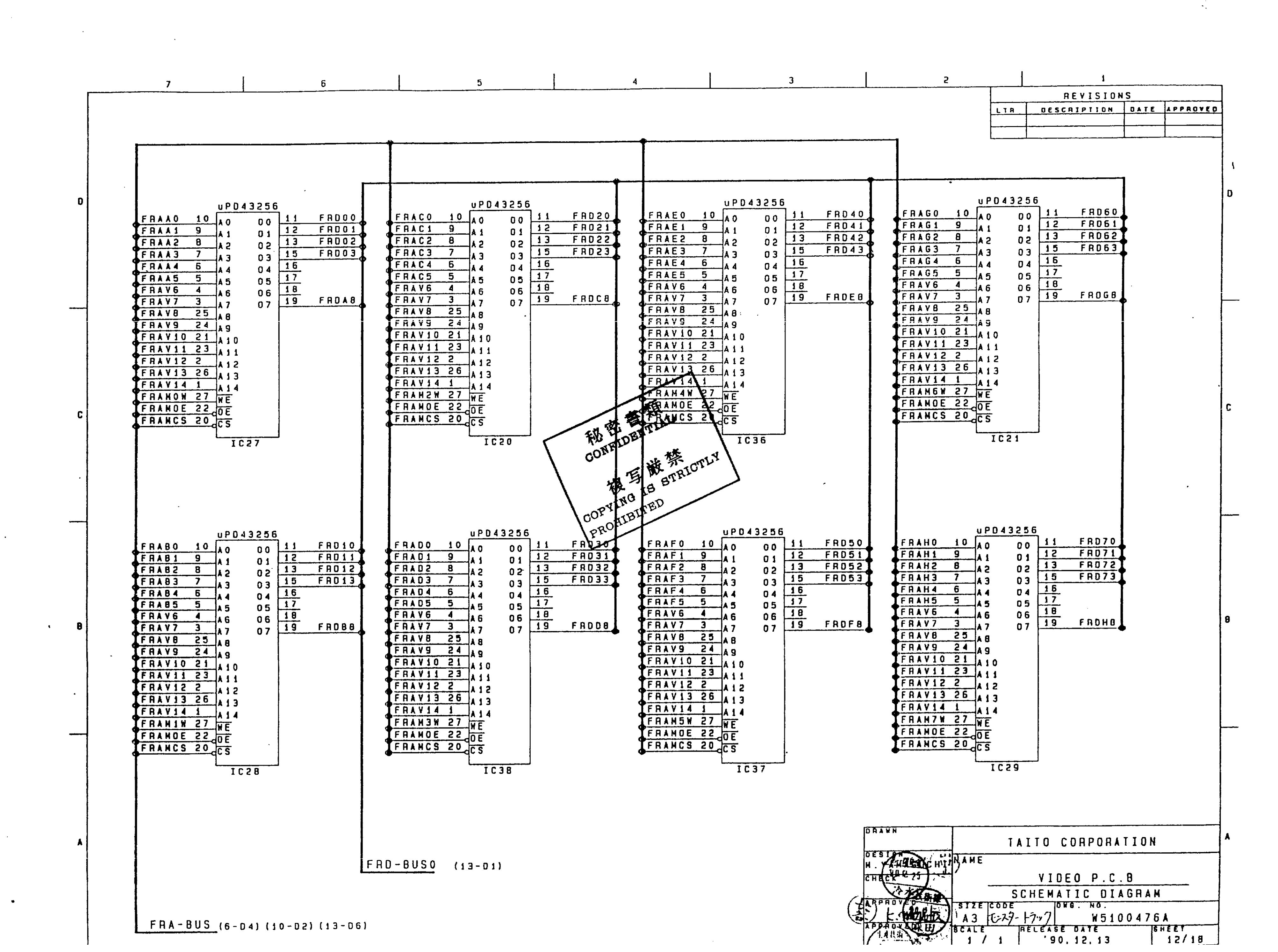

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DATE
APPROVED
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(7-A1)
OBJ-ROM0
838200
IC31
OBJ-ROM1
838200
IC23
OBJ-ROM2
838200
CHD-BUS
(13-A4)
OBJ-ROM3
838200
IC25
CHA21
+5V
CHA20
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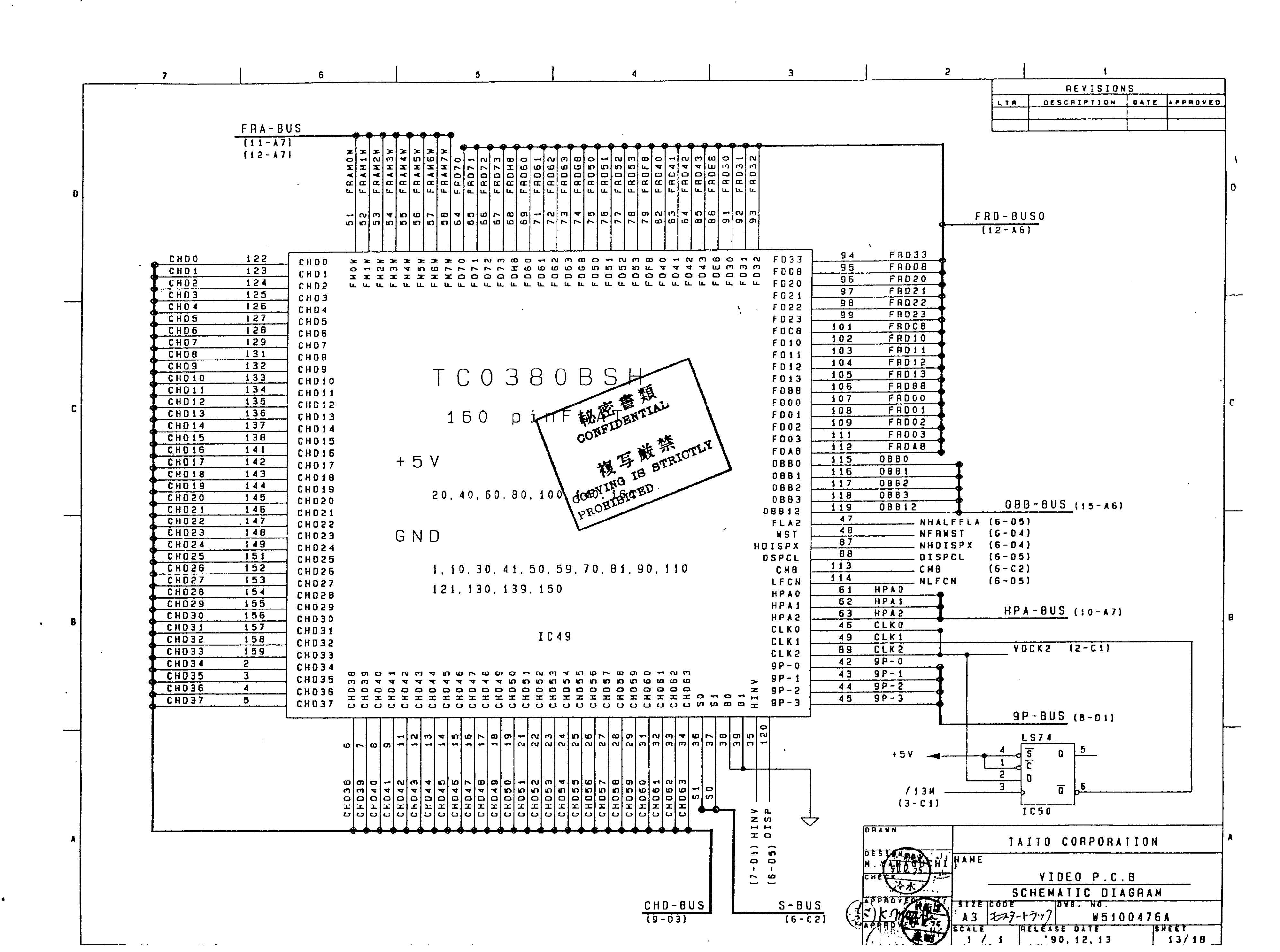
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DATE
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(11-A7)
(12-A7)
FRAV6
FRAV7
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FRAV9
FRAV10
FRAV11
FRAV12
FRAV13
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FRAA1
FRAA2
FRAA3
FRAA4
FRAA5
FRAB0
FRAB1
FRAB2
FRAB3
FRAB4
FRAB5
FRAC0
FRAC1
TC0300FLA
IC44
VCC
20, 40, 60, 80, 100, 120, 140, 160
GND
1, 10, 30, 41, 50, 59, 70, 81, 90
110, 121, 130, 139, 150
(6-D4) NFPLD
(6-D5) NLFCN
(2-C1) NVLD
(6-D5) NHOPLD
(6-D5) DSPCLX
(2-C1) NH-SYNCX
F32
IC41
OBJCNOFF (6-D5)
(6-D1) NOBJCNOFF
COMP3
COMP2
COMP1
COMP0
(8-B1)
COMP-BUS
(6-D4) FPLDXX
HPA2
HPA1
HPA0
(13-B1)
HPA-BUS
(2-C1) VDCK1
+5V
HLOA
HHINV
VLOA
VVINV
LO1
LO2
LO3
ENP1
ENP2
ENP3
CL1
INA
CK1
CK2
CK3
DCK0
DCK1
DCK2
CKQ
TESTO
VN1
UN1
UN2
VN
BANK
HINV
DHA3
DHA2
DHA1
DHA0
VINV
DVA1
DVA0
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HPA1
HPA0
VPA0
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VPOS6
VPOS5
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VPOS2
VPOS1
VPOS0
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HPOS7
HPOS6
HPOS5
HPOS4
HPOS3
HPOS2
HPOS1
HPOS0
HPOS-BUS (6-A3)
+5V
(6-B2) VPOS-BUS
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CODE
DWG. NO. W5100476A
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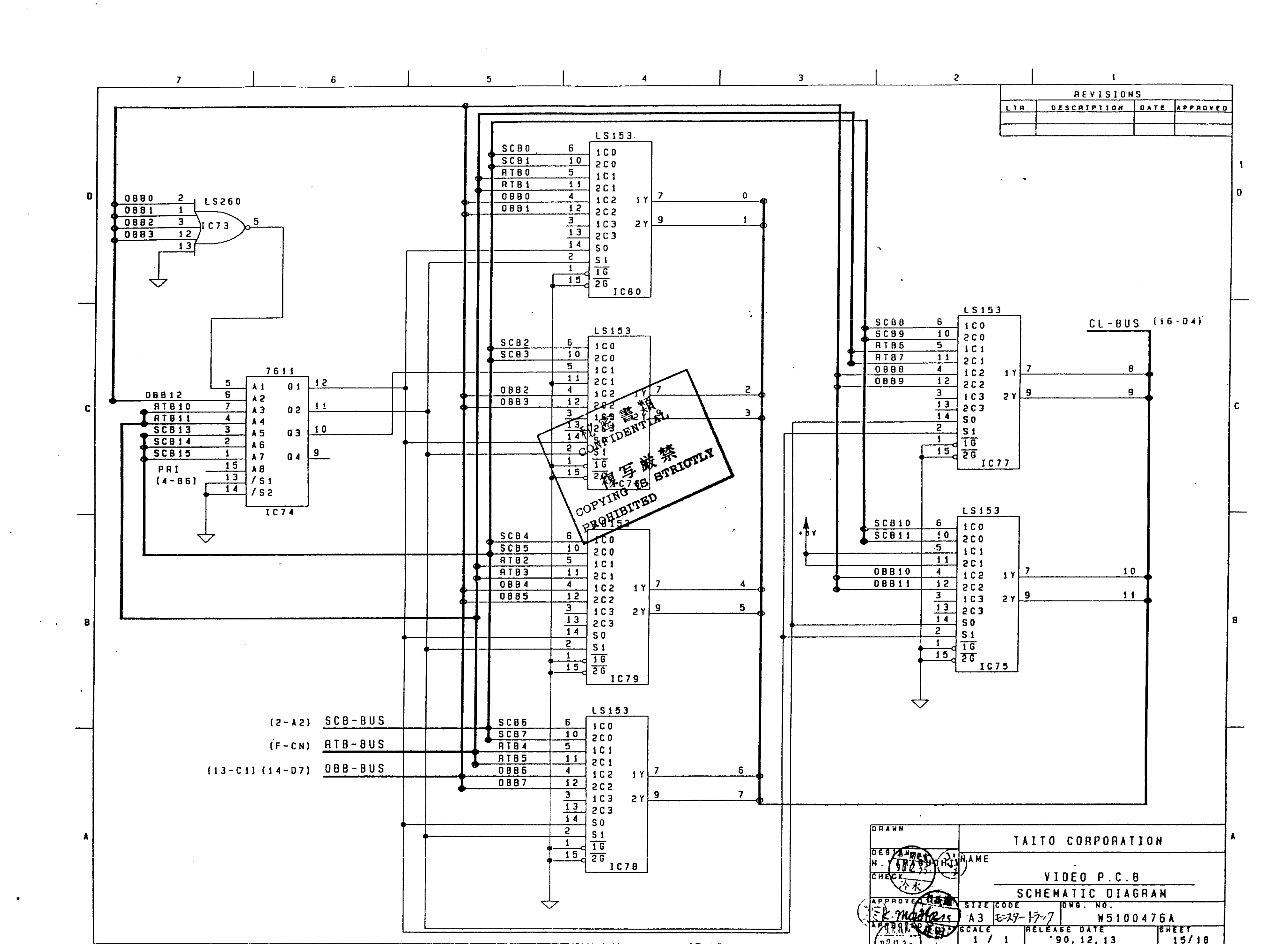
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FRAA4 6
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FRAV7 3
FRAV8 25
FRAV9 24
FRAV10 21
FRAV11 23
FRAV12 2
FRAV13 26
FRAV14 1
FRAM0W 27
FRAMOE 22
FRAMCS 20
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 WE OE CS
O0 O1 O2 O3 O4 O5 O6 O7
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17 FRDA5
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FRAV13 26
FRAV14 1
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FRAV13 26
FRAV14 1
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FRAV12 2
FRAV13 26
FRAV14 1
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12 FRDG1
13 FRDG2
15 FRDG3
16 FRDG4
17 FRDG5
18 FRDG6
19 FRDG7
IC47
秘密書類
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COPYING IS STRICTLY PROHIBITED
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FRAB4 6
FRAB5 5
FRAV6 4
FRAV7 3
FRAV8 25
FRAV9 24
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FRAV11 23
FRAV12 2
FRAV13 26
FRAV14 1
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FRAV11 23
FRAV12 2
FRAV13 26
FRAV14 1
FRAM5W 27
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15 FRDF3
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19 FRDF7
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FRAV9 24
FRAV10 21
FRAV11 23
FRAV12 2
FRAV13 26
FRAV14 1
FRAM7W 27
FRAMOE 22
FRAMCS 20
11 FRDH0
12 FRDH1
13 FRDH2
15 FRDH3
16 FRDH4
17 FRDH5
18 FRDH6
19 FRDH7
IC48
FRD-BUS1 (14-D6)
FRA-BUS (6-D4) (10-D2) (13-D6)
DRAWN
DESIGN
H. YAMAGUCHI
CHECK
APPROVED
TAITO CORPORATION
NAME
VIDEO P.C.B
SCHEMATIC DIAGRAM
SIZE A3
CODE モスタートラック
DWG. NO. W5100476A
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RELEASE DATE '90.12.13
SHEET 11/18



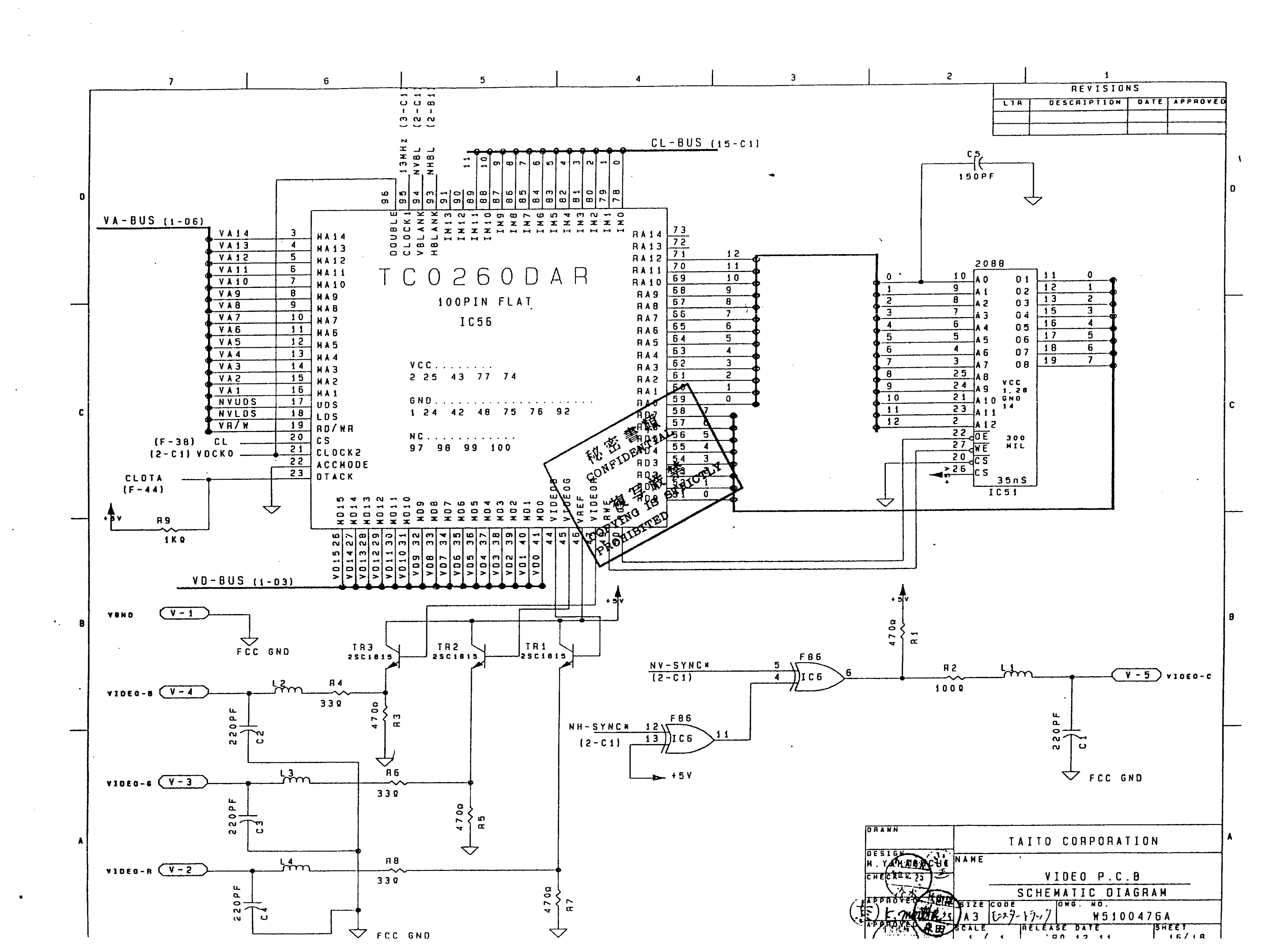
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FRAV9 24 A9
FRAV10 21 A10
FRAV11 23 A11
FRAV12 2 A12
FRAV13 26 A13
FRAV14 1 A14
FRAM0W 27 WE
FRAMOE 22 OE
FRAMCS 20 CS
O0 11 FRD00
O1 12 FRD01
O2 13 FRD02
O3 15 FRD03
O4 16
O5 17
O6 18
O7 19 FRDA8
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FRD63
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FRD33
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FRD52
FRD53
FRDF8
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FRAH3 7
FRAH4 6
FRAH5 5
FRAM7W 27
FRD70
FRD71
FRD72
FRD73
FRDH8
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FRD-BUS0 (13-D1)
FRA-BUS (6-D4) (10-D2) (13-D6)
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SIZE A3
CODE
DWG. NO. W5100476A
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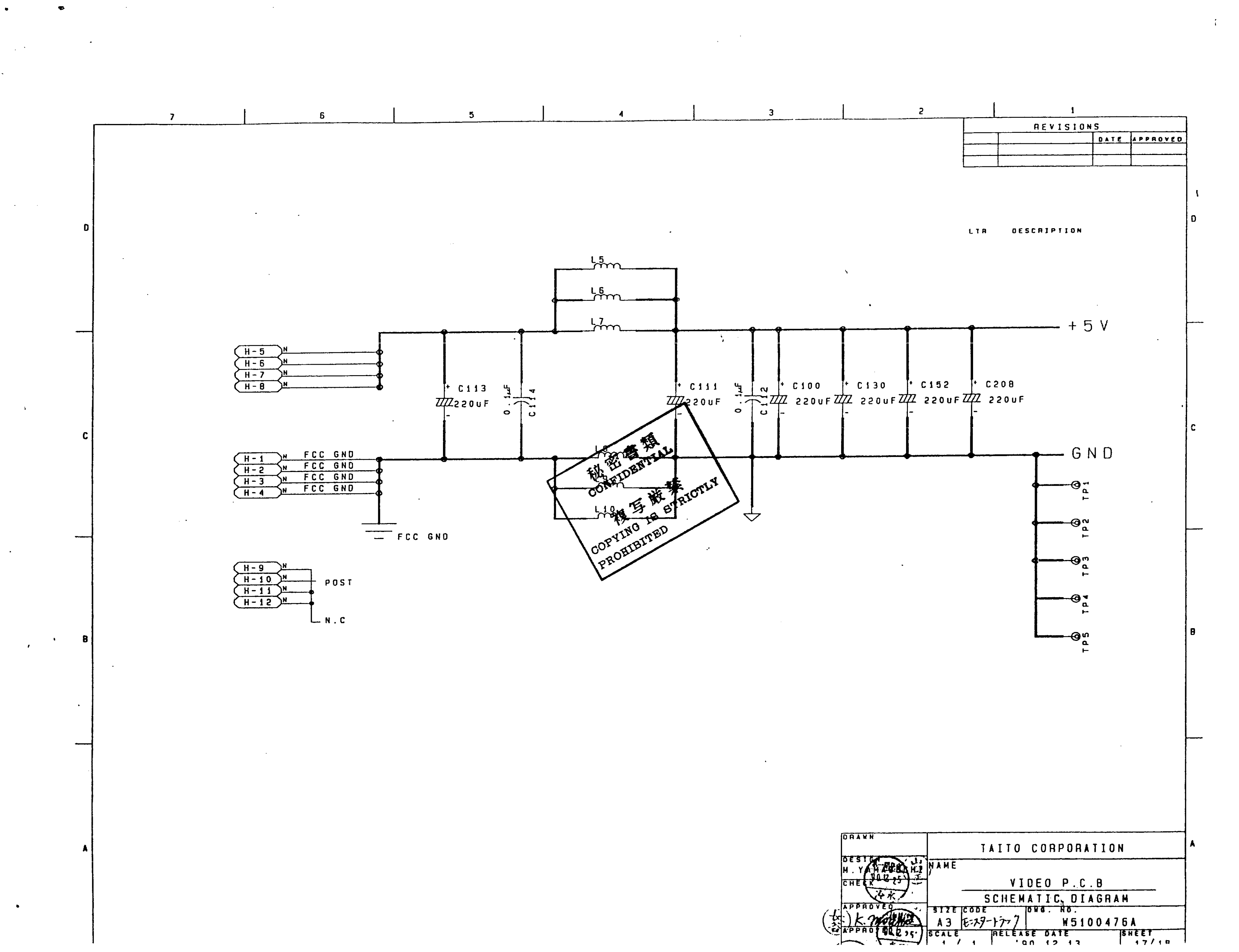
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(12-A7)
FRD-BUS0
(12-A6)
TC0380BSH
160 pinF
+5V
20, 40, 60, 80, 100
GND
1, 10, 30, 41, 50, 59, 70, 81, 90, 110
121, 130, 139, 150
IC49
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OBB-BUS (15-A6)
NHALFFLA (6-D5)
NFRWST (6-D4)
NHDISPX (6-D4)
DISPCL (6-D5)
CMB (6-C2)
NLFCN (6-D5)
HPA-BUS (10-A7)
VDCK2 (2-C1)
9P-BUS (8-D1)
LS74
+5V
/13M
(3-C1)
IC50
(7-D1) HINV
(6-D5) DISP
CHD-BUS
(9-D3)
S-BUS
(6-C2)
DRAWN
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TAITO CORPORATION
NAME
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SCHEMATIC DIAGRAM
SIZE
A3
CODE
モンスタートラップ
DWG. NO.
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LS260
IC73
OBB0
OBB1
OBB2
OBB3
7611
IC74
OBB12
ATB10
ATB11
SCB13
SCB14
SCB15
PRI (4-B6)
A1 A2 A3 A4 A5 A6 A7 A8 /S1 /S2
Q1 Q2 Q3 Q4
LS153
IC80
SCB0 SCB1 ATB0 ATB1 OBB0 OBB1
LS153
IC76
SCB2 SCB3 OBB2 OBB3
LS153
IC79
SCB4 SCB5 ATB2 ATB3 OBB4 OBB5
LS153
IC78
SCB6 SCB7 ATB4 ATB5 OBB6 OBB7
1C0 2C0 1C1 2C1 1C2 2C2 1C3 2C3 S0 S1 1G 2G 1Y 2Y
LS153
IC77
SCB8 SCB9 ATB6 ATB7 OBB8 OBB9
LS153
IC75
SCB10 SCB11 OBB10 OBB11
+5V
CL-BUS (16-D4)
(2-A2) SCB-BUS
(F-CN) ATB-BUS
(13-C1) (14-D7) OBB-BUS
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VA-BUS (1-06)
TC0260DAR
100PIN FLAT
IC56
VCC........
2 25 43 77 74
GND
1 24 42 48 75 76 92
NC
97 98 99 100
C5
150PF
2088
35nS
IC51
300 MIL
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VD-BUS (1-03)
VGND
FCC GND
TR3 2SC1815
TR2 2SC1815
TR1 2SC1815
VIDEO-B
VIDEO-G
VIDEO-R
VIDEO-C
NV-SYNC* (2-C1)
NH-SYNC* (2-C1)
F86
IC6
TAITO CORPORATION
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SCHEMATIC DIAGRAM
W5100476A



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L5
L6
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+5V
H-5
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H-8
C113 220uF
0.1uF C114
C111 220uF
0.1uF C112
C100 220uF
C130 220uF
C152 220uF
C208 220uF
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H-3 FCC GND
H-4 FCC GND
GND
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DWG. NO. W5100476A
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E-CONECTER

+5V	E-1	E-2	MD0
+5V	E-3	E-4	MD1
+5V	E-5	E-6	MD2
+5V	E-7	E-8	MD3
+5V	E-9	E-10	MD4
GND	E-11	E-12	MD5
GND	E-13	E-14	MD6
GND	E-15	E-16	MD7
GND	E-17	E-18	MD8
GND	E-19	E-20	MD9
GND	E-21	E-22	MD10
GND	E-23	E-24	MD11
GND	E-25	E-26	MD12
GND	E-27	E-28	MD13
GND	E-29	E-30	MD14
GND	E-31	E-32	MD15
GND	E-33	E-34	MA1
GND	E-35	E-36	MA2
GND	E-37	E-38	MA3
GND	E-39	E-40	MA4
GND	E-41	E-42	MA5
GND	E-43	E-44	MA6
GND	E-45	E-46	MA7
GND	E-47	E-48	MA8
GND	E-49	E-50	MA9
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+5V	E-55	E-56	MA12
+5V	E-57	E-58	MA13
+5V	E-59	E-60	MA14

F-CONECTER

+5V	F-1	F-2	RTB0
+5V	F-3	F-4	RTB1
+5V	F-5	F-6	RTB2
+5V	F-7	F-8	RTB3
GND	F-9	F-10	RTB4
GND	F-11	F-12	RTB5
GND	F-13	F-14	RTB6
GND	F-15	F-16	RTB7
GND	F-17	F-18	RTB10
GND	F-19	F-20	RTB11
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GND	F-23	F-24	NPRES
GND	F-25	F-26	OBJINT
GND	F-27	F-28	NVBL
GND	F-29	F-30	NV-SYNC*
GND	F-31	F-32	NH-SYNC*
GND	F-33	F-34	VDCKO*
GND	F-35	F-36	VOCS
GND	F-37	F-38	CL
GND	F-39	F-40	SCNCS
GND	F-41	F-42	OBJCS
GND	F-43	F-44	CLDTA
GND	F-45	F-46	SCNDTA
GND	F-47	F-48	OBJDTA
GND	F-49	F-50	MR/W
GND	F-51	F-52	NMUDS
+5V	F-53	F-54	NMLDS
+5V	F-55	F-56	MA17
+5V	F-57	F-58	MA16
+5V	F-59	F-60	MA15

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V-CONN

1	GND
2	VIDEO-R
3	VIDEO-G
4	VIDEO-B
5	VIDEO-C

H-CONN

1	GND
2	GND
3	GND
4	GND
5	+5V
6	+5V
7	+5V
8	+5V
9	
10	POST
11	
12	

DRAWN	TAITO CORPORATION
DESIGN M.YAMAGUCHI	NAME VIDEO P.C.B SCHEMATIC DIAGRAM
CHECK 冷水	
APPROVED	SIZE A3 / CODE モンスタートラップ / DWG. NO. W5100476A
APPROVED 桑田	SCALE 1 / 1 / RELEASE DATE '90. 12. 13 / SHEET 18/18

Double axle.

REVISIONS			
LTR	DESCRIPTION	DATA	APPROVED

165

155

XTAL2 40MHz
SW END MID
R1
XTAL1 16MHz
IS1 16V8-15
PAL2 C32-35
IC8 MC34051
IC1 74F74
6P
L
IS2 IS2
IC7 µFD72105C
IC4 74F245
IC4 74F245
SEE NOTE3
16L8B
PAL1 C32-34
C3 IS1
RAM TC5563APL-80
IC3 74F224
IC5 74F373
RAM TC5563APL-80
IC3 74F224
IC2 74F240
IC6 PST532
D
IC3 74F224
LED2
LED1
R2 R2
C1
5P
S
ST K91X0341A
TAITO J9100202A LAN INTERFACE BOARD TAITO CORPORATION MADE IN JAPAN

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CATHODE MARK
ELEC.. BLOCK
CAP.. CERAMIC

NOTE1. SYMBOL MARK

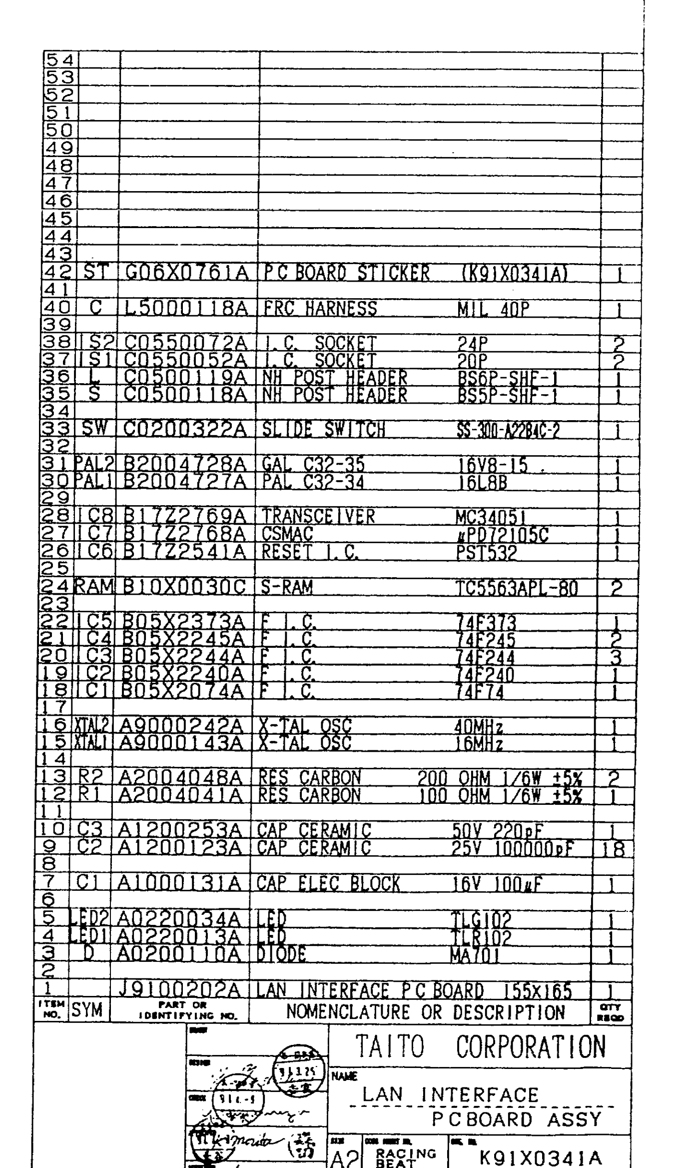
LED
SIDE VIEW
CATHODE MARK

NOTE2. LED

PAL1 C32-34 16L8B
10 5
3
13
C3
(SOLDER FACE)

NOTE3.

NO MOUNT

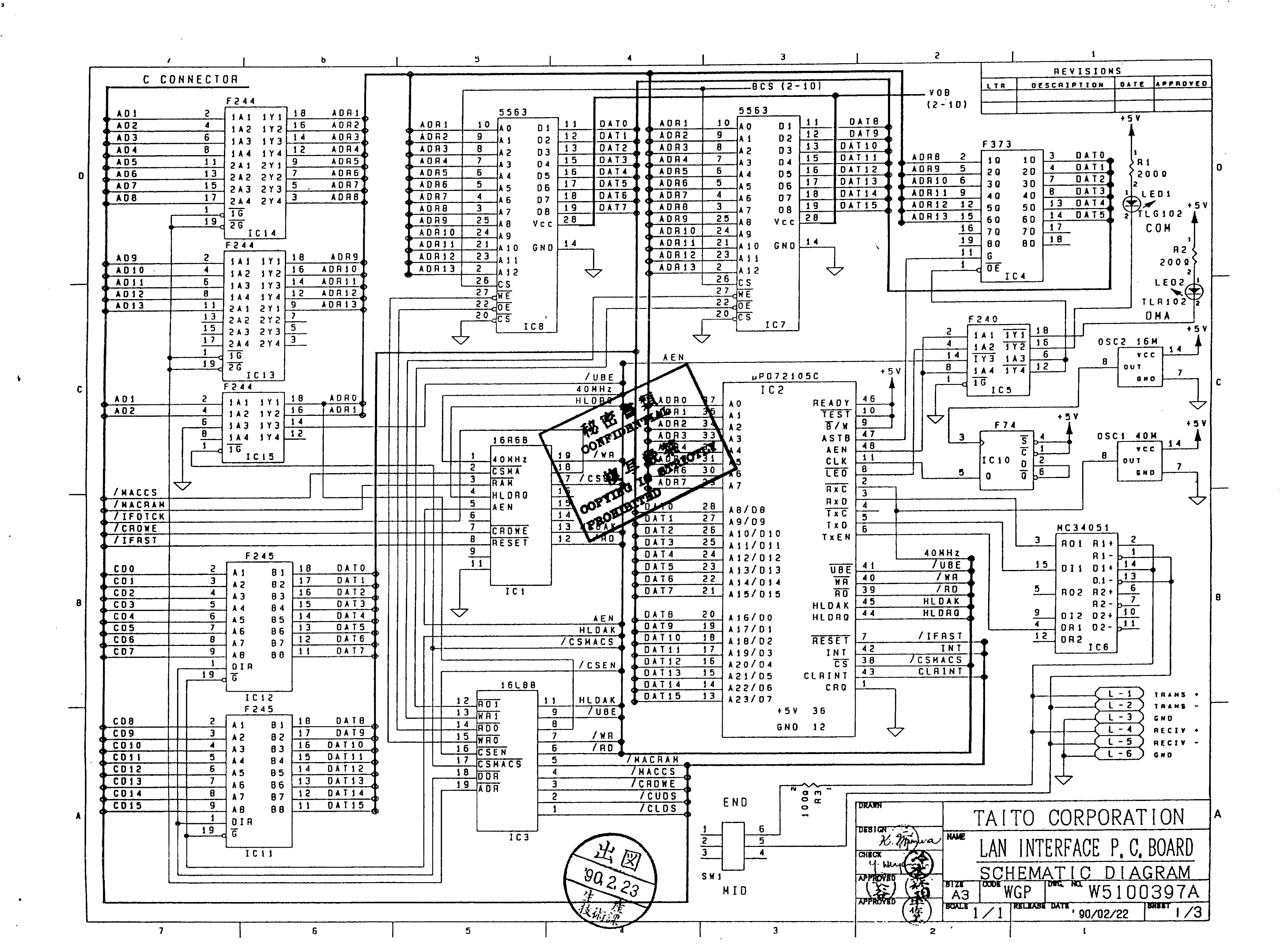


ITEM NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		QTY REQD
54					
53					
52					
51					
50					
49					
48					
47					
46					
45					
44					
43					
42	ST	G06X0761A	PC BOARD STICKER	(K91X0341A)	1
41					
40	C	L5000118A	FRC HARNESS	MIL 40P	1
39					
38	IS2	C0550072A	I.C. SOCKET	24P	2
37	IS1	C0550052A	I.C. SOCKET	20P	2
36	L	C0500119A	NH POST HEADER	BS6P-SHF-1	1
35	S	C0500118A	NH POST HEADER	BS5P-SHF-1	1
34					
33	SW	C0200322A	SLIDE SWITCH	SS-300-A22B4C-2	1
32					
31	PAL2	B2004728A	GAL C32-35	16V8-15	1
30	PAL1	B2004727A	PAL C32-34	16L8B	1
29					
28	IC8	B17Z2769A	TRANSCEIVER	MC34051	1
27	IC7	B17Z2768A	CSMAC	µPD72105C	1
26	IC6	B17Z2541A	RESET I.C.	PST532	1
25					
24	RAM	B10X0030C	S-RAM	TC5563APL-80	2
23					
22	IC5	B05X2373A	F I.C.	74F373	1
21	IC4	B05X2245A	F I.C.	74F245	2
20	IC3	B05X2244A	F I.C.	74F244	3
19	IC2	B05X2240A	F I.C.	74F240	1
18	IC1	B05X2074A	F I.C.	74F74	1
17					
16	XTAL2	A9000242A	X-TAL OSC	40MHz	1
15	XTAL1	A9000143A	X-TAL OSC	16MHz	1
14					
13	R2	A2004048A	RES CARBON	200 OHM 1/6W ±5%	2
12	R1	A2004041A	RES CARBON	100 OHM 1/6W ±5%	1
11					
10	C3	A1200253A	CAP CERAMIC	50V 220pF	1
9	C2	A1200123A	CAP CERAMIC	25V 100000pF	18
8					
7	C1	A1000131A	CAP ELEC BLOCK	16V 100µF	1
6					
5	LED2	A0220034A	LED	TLG102	1
4	LED1	A0220013A	LED	TLR102	1
3	D	A0200110A	DIODE	MA701	1
2					
1		J9100202A	LAN INTERFACE PC BOARD	155x165	1

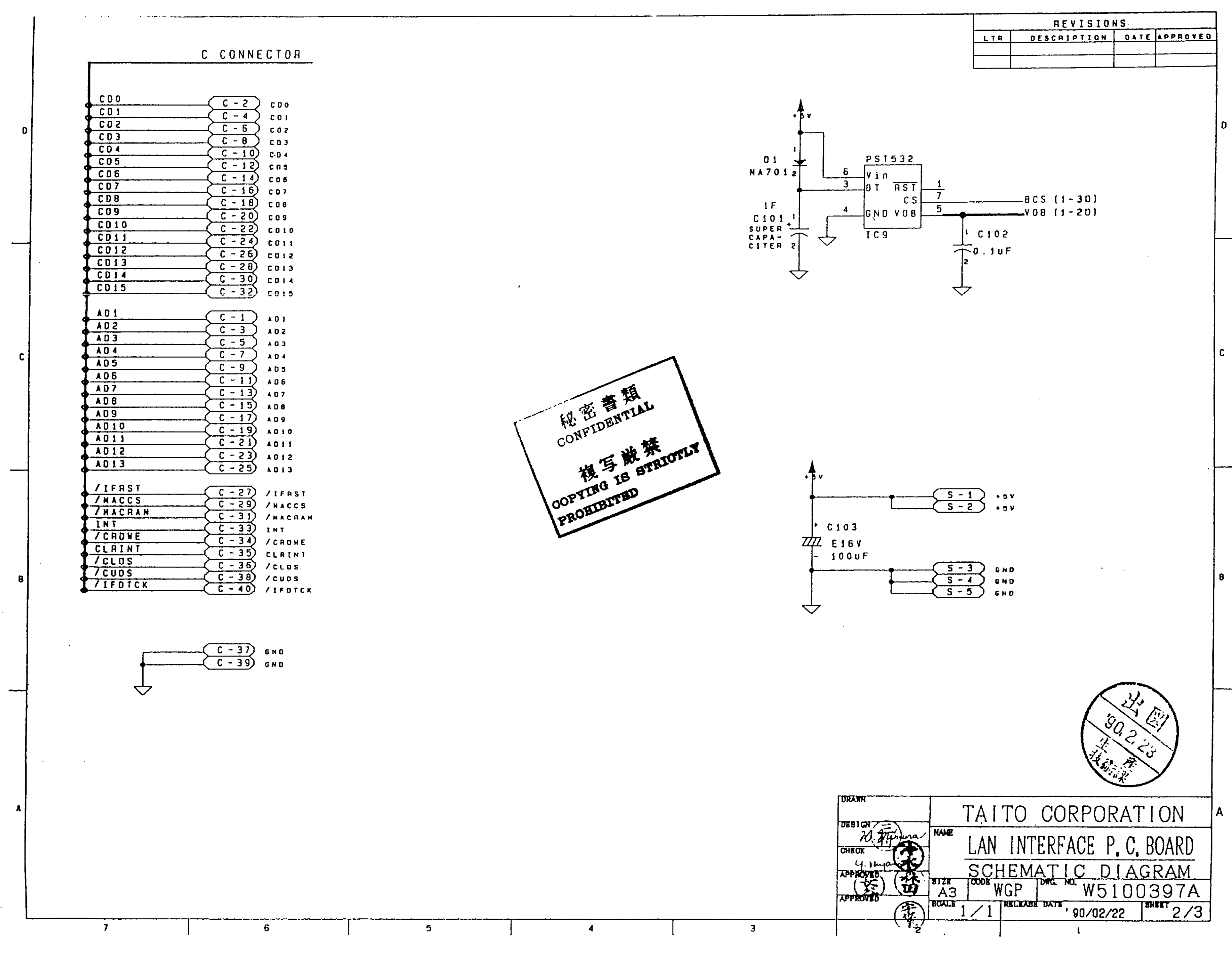
TAITO CORPORATION

NAME LAN INTERFACE PC BOARD ASSY

SIZE A2 | RACING BEAT | K91X0341A



C CONNECTOR
REVISIONS
LTR
DESCRIPTION
DATE
APPROVED
F244
IC14
IC13
IC15
F245
IC12
IC11
5563
IC8
IC7
F373
IC4
F240
IC5
F74
IC10
16R6B
IC1
16L8B
IC3
µPD72105C
IC2
MC34051
IC6
OSC2 16M
OSC1 40M
R1 200Ω
LED1 TLG102 COM
R2 200Ω
LED2 TLR102 DMA
R3 100Ω
SW1
END
MID
BCS (2-10)
VOB (2-10)
/MACCS
/MACRAM
/IFDTCK
/CROWE
/IFRST
/CUDS
/CLDS
L-1 TRANS +
L-2 TRANS -
L-3 GND
L-4 RECIV +
L-5 RECIV -
L-6 GND
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出図 '90.2.23 生産技術課
TAITO CORPORATION
LAN INTERFACE P.C.BOARD
SCHEMATIC DIAGRAM
SIZE A3
CODE WGP
DWG. NO. W5100397A
SCALE 1/1
RELEASE DATE '90/02/22
SHEET 1/3



C CONNECTOR
CD0 C-2 CD0
CD1 C-4 CD1
CD2 C-6 CD2
CD3 C-8 CD3
CD4 C-10 CD4
CD5 C-12 CD5
CD6 C-14 CD6
CD7 C-16 CD7
CD8 C-18 CD8
CD9 C-20 CD9
CD10 C-22 CD10
CD11 C-24 CD11
CD12 C-26 CD12
CD13 C-28 CD13
CD14 C-30 CD14
CD15 C-32 CD15
AD1 C-1 AD1
AD2 C-3 AD2
AD3 C-5 AD3
AD4 C-7 AD4
AD5 C-9 AD5
AD6 C-11 AD6
AD7 C-13 AD7
AD8 C-15 AD8
AD9 C-17 AD9
AD10 C-19 AD10
AD11 C-21 AD11
AD12 C-23 AD12
AD13 C-25 AD13
/IFRST C-27 /IFRST
/MACCS C-29 /MACCS
/MACRAM C-31 /MACRAM
INT C-33 INT
/CRDWE C-34 /CRDWE
CLRINT C-35 CLRINT
/CLDS C-36 /CLDS
/CUDS C-38 /CUDS
/IFDTCK C-40 /IFDTCK
C-37 GND
C-39 GND
+5V
D1 MA701
1F C101 SUPER CAPA-CITER
PST532
Vin BT RST CS GND VDB
IC9
BCS (1-30)
VDB (1-20)
C102 0.1uF
S-1 +5V
S-2 +5V
C103 E16V 100uF
S-3 GND
S-4 GND
S-5 GND
REVISIONS
LTR DESCRIPTION DATE APPROVED
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出図 '90.2.23
TAITO CORPORATION
LAN INTERFACE P.C.BOARD SCHEMATIC DIAGRAM
DRAWN
DESIGN
CHECK
APPROVED
SIZE A3
CODE WGP
DWG. NO. W5100397A
SCALE 1/1
RELEASE DATE '90/02/22
SHEET 2/3

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

C CONNECTOR

STRAIGHT TYPE RECEPTACLE 40P
HIF3FB-40DA-2.54DSA

AD1	1	2	CD0
AD2	3	4	CD1
AD3	5	6	CD2
AD4	7	8	CD3
AD5	9	10	CD4
AD6	11	12	CD5
AD7	13	14	CD6
AD8	15	16	CD7
AD9	17	18	CD8
AD10	19	20	CD9
AD11	21	22	CD10
AD12	23	24	CD11
AD13	25	26	CD12
$\overline{IFRST}$	27	28	CD13
$\overline{MACCS}$	29	30	CD14
$\overline{MACRAM}$	31	32	CD15
INT	33	34	$\overline{CROWE}$
CLAINT	35	36	$\overline{CLDS}$
GND	37	38	$\overline{CUDS}$
GND	39	40	$\overline{IFDTCK}$



L CONNECTOR

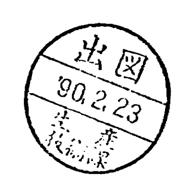
NH 8S6P-SHF-1AA
(SIDE 6P)

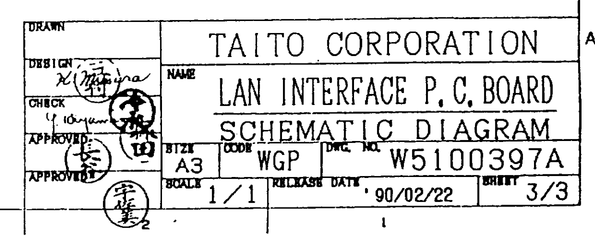
1	TRANS +
2	TRANS -
3	GND
4	RECIV +
5	RECIV -
6	GND

S CONNECTOR

NH 8S5P-SHF-1AA
(SIDE 5P)

1	+5V
2	+5V
3	GND
4	GND
5	GND





DRAWN	TAITO CORPORATION				
DESIGN	NAME	LAN INTERFACE P.C.BOARD SCHEMATIC DIAGRAM			
CHECK					
APPROVED	SIZE A3	CODE WGP	DWG. NO. W5100397A		
APPROVED	SCALE 1/1	RELEASE DATE 90/02/22	SHEET 3/3		